



STATE OF CALIFORNIA

Specification

8030-61J-01

Rev. 5/17/02

Two Component, Machine Mixed Sealant

1.0 SCOPE

This specification describes a two-component, machine mixed, polyurethane or silicone joint sealant for use where movement of the joint occurs. The polyurethane sealant, when properly applied against a clean sound surface, will reject foreign material, resist infiltration of water into the joint, and withstand up to ± 25 percent movement. The two component silicone sealant shall withstand up to ± 50 percent movement. The use of a primer against the joint faces is required.

2.0 APPLICABLE SPECIFICATIONS

The following specifications, test methods, and standards in effect on the date of the Invitation for Bid form a part of this specification where referenced.

California Test Method, Test Number 435.

State of California, Department of Transportation, Standard Specifications, Section 51-1.12F(3), Type A and AL seal.

3.0 REQUIREMENTS

When tested in accordance with California Test Method No. 435, the sealant shall meet the following requirements:

Modulus at 150 percent elongation, kPa	35-520
Width of sealant after 7 days extension and one hour recovery	17 mm max.
Condition 24 hours after notching	Sealant must not fail completely in adhesion or cohesion.
Condition of water immersed specimen at 7 days	Notched or loss of bond $\frac{1}{4}$ inch, max.
Condition of specimen when tested in	No more than slight

conformance with the requirements in ASTM Designation G 154, Table X2.1, Cycle 2.	checking or cracking
Grease cone penetration, mm	4.5 - 12.0

In addition to the above, sealant shall be self-leveling but cure rapidly enough to avoid flow after application on grades up to 15 percent.

There shall be no skinning in the containers of either component of the two-component sealant. Any settlement in the containers shall be thoroughly wetted, soft and mushy and shall be easily redispersed by hand stirring to form a smooth uniform product.

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Directions:

All manufacturers' instructions shall be carefully followed.

Mixing of one or both components separately before using may be necessary.

Material which has been exposed to the atmosphere for more than 24 hours, shall not be used.

Equipment used shall be approved by the manufacturer of the sealant. Proportioning and mixing of the two components is critical.

This material shall emit no objectionable odor.

The working properties shall be satisfactory.

4.0 QUALITY ASSURANCE PROVISIONS

4.1 Inspection:

This material shall be inspected and tested in accordance with State of California Specification 8010-XXX-99, or as otherwise deemed necessary.

